Tessellation Creation

Kit contains:

- 2 tessellation templates (a.k.a., PARTS)

You will need: pencil, paper, scissors, tape, and drawing supplies (optional).

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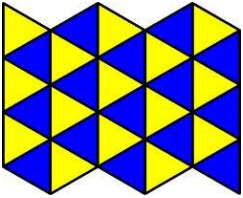
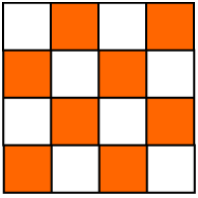
A **tessellation** is a design with a repeating pattern. It covers a plane with no gaps or overlaps. There are different types!

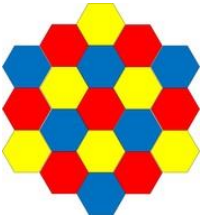
A **regular tessellation** is made from ONE regular polygon. For instance:



triangles

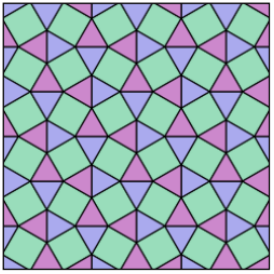


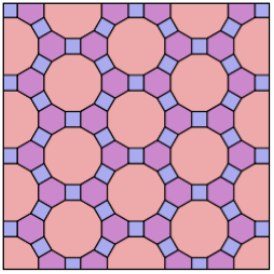
squares



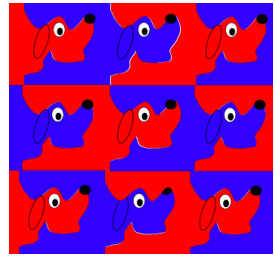
hexagons

A **semi-regular tessellation** is made from two or more regular polygons. Examples:





In non-regular or irregular tessellations, anything goes! You can even tessellate Clifford the dog.

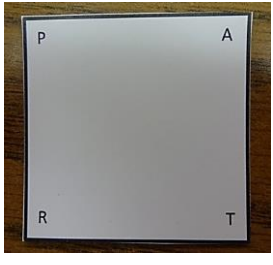


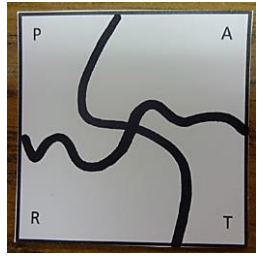
Now create a brand-new tessellation by turning a PART into a TRAP.

INSTRUCTIONS

Step 1. Cut out one of your square PARTs.

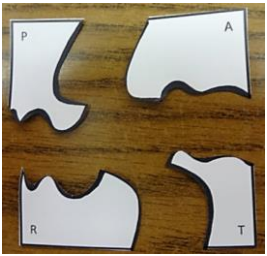
Step 2. Draw a squiggle from the top of the PART to the bottom. Draw a squiggle from one side to the PART to the other. (**Note:** Your squiggles should intersect exactly once.)

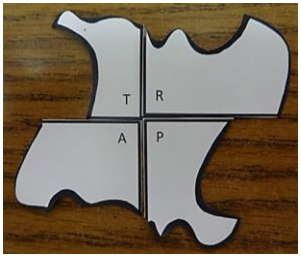




Step 3. Cut along your squiggles so that your PART is in four pieces.

Step 4. Rearrange the pieces as shown so that your PART becomes a TRAP. Tape in place.





Step 4. Trace your TRAP onto a piece of paper. Move the stencil so that it fits next to your first outline and trace again. Repeat until the paper is full. Decorate as desired.